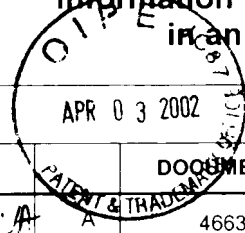


Paper # 4

PTO-1449	Application No.	Applicant(s)	
	10/032,728	Robert T. Mallet et al.	
	Docket Number	Group Art Unit	Filing Date
	073314.0102	Unknown	12/28/01

**Information Disclosure Citation  
in an Application**



**U.S. PATENT DOCUMENTS**

	DOCUMENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE
<del>A</del>	A	4663166	Veech	424	146	6/24/854
<del>17</del>	B	4988515	Buckberg	424	529	4/5/89
<del>17</del>	C	5066578	Wikman-Coffelt	435	1	12/21/89
<del>17</del>	D	5075210	Wikman-Coffelt	435	1	12/21/89
<del>17</del>	E	5100677	Veech	424	677	12/17/86
<del>17</del>	F	5290766	Choong	514	23	2/18/92
<del>17</del>	G	5294641	Stanko	514	540	11/27/91
<del>17</del>	H	5480909	Stanko	514	557	8/8/94
<del>17</del>	I	5667962	Brunengraber et al.	435	1.2	3/18/96
<del>A</del>	J	5876916	Brunengraber et al.	435	1.2	2/27/97

**FOREIGN PATENT DOCUMENTS**

	DOCUMENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
	K						

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<del>17</del>	L	S.M. Tenney "A Theoretical Analysis of the Relationship Between Venous Blood and Mean Tissue Oxygen Pressures <sup>1</sup> ," <i>Respiration Physiol</i> 20: Pages 283-296 (1974)	<del>Accepted</del> 1/17/74
<del>17</del>	M	Kumpei Kobayashi et al. "Control of Maximum Rates of Glycolysis in Rat Cardiac Muscle," <i>Circ Res</i> 44: Pages 166-175 (1979)	<del>1979</del>
	N	George Constantopoulos et al. "Nonenzymatic Decarboxylation of Pyruvate," <i>Analytical Biochemistry</i> 139: Pages 353-358 (1984)	<del>Received</del> 11/7/83
	O	Rolf Büniger et al. "Pyruvate-enhanced phosphorylation potential and inotropism in normoxic and postischemic isolated working heart," <i>Eur. J. Biochem.</i> 180: Pages 221-233 (1989).	<del>Received</del> 9/5/88
	P	G. Vandeplasseche et al. "Mitochondrial Hydrogen Peroxide Generation by NADH-oxidase Activity Following Regional Myocardial Ischemia in the Dog," <i>J Mol Cell Cardiol</i> 21: Pages 383-392 (1989)	<del>Accepted</del> 12/23/88
	Q	Robert T. Mallet et al. "Glucose requirement for postischemic recovery of perfused working heart," <i>Eur. J. Biochem.</i> 188: Pages 481-493 (1990).	<del>Received</del> 5/25/89
	R	Lucia Cavallini et al. "The Protective Action of Pyruvate on Recovery of Ischemic Rat Heart: Comparison with Other Oxidizable Substrates," <i>J Mol Cell Cardiol</i> 22: Pages 143-154 (1990)	<del>Revised</del> 10/5/89
<del>17</del>	S	Roberto Bolli "Oxygen-Derived Free Radicals and Myocardial Reperfusion Injury: An Overview," <i>Cardiovascular Drugs and Therapy</i> 5: Pages 249-268 (1991)	

EXAMINER

A. (MNE) Initial citation considered, whether or not citation is in conformance with MPEP § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.

PTO-1449  <b>Information Disclosure Citation in an Application</b>	Application No.	Applicant(s)	
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	073314.0102	Unknown	12/28/01

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✓A	5968727	10/19/99	Brunengraber et al.	435	1.2	3/1/99
✓A	U 6020007	2/1/00	Veech	424	677	1/11/94
✓A	V 6086789	7/11/00	Brunengraber et al.	252	399	5/12/98
✓A	W 6143784	11/7/00	Greenhaff et al.	514	546	11/25/98
✓A	X 6153647	11/28/00	Mallet et al.	514	546	11/12/98

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	DOCUMENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
	Y						
	Z						

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✓A	AA Rolf Büniger et al. "Mitochondrial pyruvate transport in working guinea-pig heart. Work-related vs. carrier-mediated control of pyruvate oxidation" <i>Biochimica et Biophysica Acta</i> , 1151: Pages 223-236 (1993)	Received 6/21/93
↑	BB Laurence W. V. Deboer et al. "Pyruvate enhances recovery of rat hearts after ischemia and reperfusion by preventing free radical generation," <i>Am J Physiol Heart Circ Physiol</i> 265: Pages H1571-H1576 (1993)	1993
	CC Juan A. Crestanello, M.D. et al. "The Cumulative Nature of Pyruvate's Dual Mechanism for Myocardial Protection <sup>1</sup> ," <i>Journal of Surgical Research</i> 59: Pages 198-204 (1995)	11/16/94
	DD Robert T. Mallet et al. "Energetic modulation of cardiac inotropism and sarcoplasmic reticular Ca <sup>2+</sup> uptake" <i>Biochimica et Biophysica Acta</i> , 1224: Pages 22-32 (1994)	Received 01/24/94
	EE Gerald D. Buckberg, Invited Editorial on "Effects of Glutamate and Aspartate on Myocardial Substrate Oxidation During Potassium Arrest," <i>J Thorac Cardiovasc Surg</i> 112: Pages 1661-1663 (1996)	Accepted 8/2/96
	FF Kamal M. Mohazzab-H et al. "Lactate and PO <sub>2</sub> Modulate Superoxide Anion Production in Bovine Cardiac Myocytes Potential Role of NADH Oxidase," <i>Dept of Physiol Vol. 96 No. 2 July 15, 1997: Pages 614-620</i>	7/2/97
	GG Robert T. Mallet et al. "Mitochondrial metabolism of pyruvate is required for its enhancement of cardiac function and energetics," <i>Cardiovascular Research</i> 42: Pages 149-161 (1999)	Accepted 9/21/98
✓A	HH M. Isabel Tejero-Talido et al. "Pyruvate Potentiates β-Adrenergic Inotropism of Stunned Guinea-Pig Myocardium," <i>J Mol Cell Cardiol</i> 30: Pages 2327-2339 (1998) Article No. mc980792	Revised 08/06/98

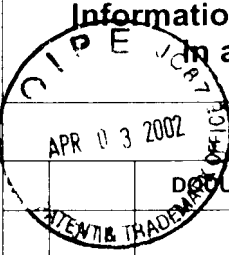
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V. A. [Signature]

DATE CONSIDERED

4-30-2003

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PTO-1449		Application No. 10/032,728		Applicant(s) Robert T. Mallet et al.		
<b>Information Disclosure Citation in an Application</b> 		Docket Number 073314.0102		Group Art Unit Unknown	Filing Date 12/28/01	
		<b>U.S. PATENT DOCUMENTS</b>				
	DOCUMENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE
JJ						
KK						
LL						
MM						
<b>FOREIGN PATENT DOCUMENTS</b>						
	DOCUMENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO
NN						
OO						
<b>NON-PATENT DOCUMENTS</b>						
	DOCUMENT (Including Author, Title, Source, and Pertinent Pages)					DATE
VA	PP	Roberto Bolli et al. "Molecular and Cellular Mechanisms of Myocardial Stunning," <i>Physiol Rev</i> 79 No. 2 April 1990: Pages 609-634				April 1990
	QQ	Hans-Peter Hermann et al. "Haemodynamic effects of intracoronary pyruvate in patients with congestive heart failure: an open study," <i>The Lancet</i> Vol. 353, April 17, 1999: Pages 1321-1323				04/17/99
	RR	M. Isabel Tejero-Talado et al. "Antioxidant Properties of Pyruvate Mediate its Potentiation of $\beta$ -Adrenergic Inotropism in Stunned Myocardium," <i>J Mol Cell Cardiol</i> 31: Pages 1863-1872 (1999), Article No. jmcc.1999.1020. available online at internet site < <a href="http://www.idealibrary.com">http://www.idealibrary.com</a> >				Revised 07/14/99
	SS	Robert T. Mallet "Minireview - Pyruvate: Metabolic Protector of Cardiac Performance (44472)," <i>Proc Soc Exp Biol Med</i> 223: Pages 136-148 (2000)				2000
VA	TT	Eberhard Bassenge et al. "Antioxidant pyruvate inhibits cardiac formation of reactive oxygen species through changes in redox state" <i>Am J Physiol Heart Circ Physiol</i> 279: Pages H2431-H2438 (2000)				2000
	UU	The University of North Texas Health Science Center at Ft. Worth, Institutional Review Board for the Protection of Human Subjects "Use of Human Subjects Statement by Principal Investigator"				Signed 01/08/01
	VV					
EXAMINER K. Afremow				DATE CONSIDERED 4-28-2003		
EXAMINER Initial if citation considered, whether or not citation is in conformance with MPEP § 609 Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.						

PTO-1449

Application No.

Applicant(s)

10/032,728

Albert H. Olivencia-Yurvati et al.

Docket Number

Group Art Unit

Filing Date

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12/28/01

**Information Disclosure Citation  
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**U.S. PATENT DOCUMENTS**

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	DOCUMENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
VA H.	93/02653	2/18/93	WO	A61K		X	
VA I.	91/09520	7/11/91	WO	A01N	1/02	X	
J.							
K.							

**NON-PATENT DOCUMENTS**

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L.	International Search Report PCT/US 02/00368					10/10/02
VA M.	Vivek Rao et al. "Insulin Cardioplegia For Elective Coronary Bypass Surgery," Journal of Thoracic and Cardiovascular Surgery (JUN 2000) Vol. 119, No. 6, pp. 1176-1184					6/2000
VA N.	Rene Ferrera et al., "Microperfusion Techniques for Long-Term Hypothermic Preservation", Journal of Hear and Lung Transplantation, Vol. 19, No. 8 (AUG 2000), pp 792-800					8/2000
VA O.	Anis Baraka et al., "Lidocaine Cardioplegia for Prevention of Reperfusion Ventricular Fibrillation", Anals of Thoracic Surgery, Vol. 55, No. 6 1993, pp 1529-1533					1993
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